

**Information sheet for the course  
Selected Chapters from the Sustainable Development**

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>	
<b>Faculty:</b> <i>Faculty of Industrial Technologies in Púchov</i>	
<b>Course unit code:</b> <i>MI-I-PV-45</i>	<b>Course unit title:</b> <i>Selected Chapters from the Sustainable Development</i>
<b>Type of course unit:</b> <i>optional</i>	
<b>Planned types, learning activities and teaching methods:</b>  <i>Lecture: State examination subject; face to face</i> <i>Seminar:</i> <i>Laboratory tutorial:</i>	
<b>Number of credits:</b> <i>2</i>	
<b>Recommended semester:</b> <i>4<sup>th</sup> semester in the 2<sup>nd</sup> year full-time</i> <i>6<sup>th</sup> semester in the 3<sup>rd</sup> year part-time</i>	
<b>Degree of study:</b> <i>the 2<sup>nd</sup> degree of study (Engineer's degree)</i>	
<b>Course prerequisites:</b> <i>Passing all compulsory and optional subjects from the curriculum, syllabus, including MI-I-PV-20E Sustainable development.</i>	
<b>Assessment methods:</b> <i>Successful completion of the state exam.</i>	
<b>Learning outcomes of the course unit:</b> <i>The student knows, within the state exam, problems of sustainable development, basic concepts, principles, objectives and priorities.</i>	
<b>Course contents:</b> <ol style="list-style-type: none"> <li><i>1. World environmental movement; environmental action programs; major United Nations conference on the environment - Conclusions and recommendations.</i></li> <li><i>2. Agenda 21 - the concept and importance, Agenda 21 at SR - basic structure; Reports of the implementation of Agenda 21 in Slovakia.</i></li> <li><i>3. The National Strategy for Sustainable Development - orientation, objectives, priorities and principles. Tools for the implementation of the principles of sustainable development into practice; First and second program - the meaning and mission.</i></li> <li><i>4. The State Environmental Policy - objectives, priorities, programs, structure.</i></li> <li><i>5. Integrated Management System - the concept and importance; essential elements; processes of creation, implementation and certification.</i></li> <li><i>6. The most important human activities affecting the environment clean and clean-up technology - Principles and Applications.</i></li> <li><i>7. EMS (ISO 14000 and 14001) and EMAS - principles, meaning and use Business Charter - structure and meaning; Audit - concept and process.</i></li> <li><i>8. EIA, SEA - concept, meaning and purpose, process stage, the participants and their roles, the outcome of the process.</i></li> <li><i>9. IPPC - concept, meaning and purpose, integrated permitting – phases of process, the participants and their roles, the outcome of the process, IPPC - EPER concept and importance.</i></li> <li><i>10. BAT, BREF, BATNEEC - concepts, meaning and purpose.</i></li> <li><i>11. Environmental labeling of products - concept, process and purpose, conditions for eco-</i></li> </ol>	

<p>nut evaluation.</p> <p>12. LCA - concept, meaning and purpose, process and its phases, Inventory Analysis.</p> <p>13. EPE - concept, meaning and purpose, concepts of ECI, MPI, OPI - importance and interrelationships, MIA - categorization of businesses, Prevention of serious industrial accidents, risk analysis and prevention program; emergency management system and Emergency plan.</p>																	
<p><b>Recommended of required reading:</b></p> <p>1. ZELENÝ, Ján: INTEGROVANÝ MANAŽÉRSKY SYSTÉM . Technická univerzita vo Zvolene, 2006. - 74 s. ISBN 80-228-1576-4</p> <p>2. ZELENÝ, Ján: RIZIKÁ V PRIEMYSLE. Technická univerzita vo Zvolene, 2006. - 321 s. + 1 CD. ISBN 80-228-1638-8.</p> <p>3. ZELENÝ, Ján: ENVIRONMENTÁLNA POLITIKA A MANAŽMENT. Edícia TEMPUS – EUROPROJEKT (spoločný projekt pre štúdium práva európskeho spoločenstva). SPU Nitra – AU Wageningen; 1999; 228 strán. (Monografia).</p> <p>4. MEZRICKÝ, V.: ENVIROMENTÁLNÍ POLITIKA A UDRŽITELNÝ ROZVOJ. PORTÁL, s.r.o., 2005, Praha, ISBN 80-7367-003-8.</p> <p>Web pages MŽP SR and aurorities of state governments, www.zbierka.sk.</p>																	
<p><b>Language:</b> Slovak</p>																	
<p><b>Remarks:</b></p>																	
<p><b>Evaluation history:</b></p> <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>FX</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						A	B	C	D	E	FX						
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<p><b>Lecturers:</b> prof. RNDr. Mariana Pajtášová, PhD.</p>																	
<p><b>Last modification:</b> 31.03.2014</p>																	
<p><b>Supervisor:</b> prof. Ing. Darina Ondrušová, PhD.</p>																	